

Amendments to the Claims:

Please cancel claim 1 without prejudice or disclaimer of the subject matter thereof, rewrite claims 2 and 3 in independent form, amend claim 4 and add the following new dependent claim 5.

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (canceled)

2. (currently amended) The A probe coil for the an NMR apparatus according to claim 1, which uses a superconductor formed from a conductor made of magnesium 2-boride formed on the surface of a substrate made of a flexible organic polymer material, wherein the substrate is made of an organic material that contains no hydrogen atoms.

3. (currently amended) The A probe coil for the an NMR apparatus according to claim 1, which uses a superconductor formed from a conductor made of magnesium 2-boride formed on the surface of a substrate made of a flexible organic polymer material, wherein the substrate is made of a material, all or part of hydrogen atoms contained in the substrate being substituted with heavy hydrogen atoms.

4. (currently amended) The probe coil for the NMR apparatus according to claim 1, wherein the probe coil is constituted by any one of a saddle type, a bird

cage type, a Helmholtz-Helmholtz type, a one-turn type, a solenoide type, a pancake type and combinations thereof.

5. (new) The probe coil for the NMR apparatus according to claim 3, wherein the probe coil is constituted by any one of a saddle type, a bird cage type, a Helmholtz type, a one-turn type, a solenoide type, a pancake type and combinations thereof.